

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/000083

B3

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/13 A61K45/06 A61P25/18 A61P25/22 A61P25/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data, SCISEARCH, CANCERLIT, PASCAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>CALDARONE B J ET AL: "High-affinity nicotinic acetylcholine receptors are required for antidepressant effects of amitriptyline on behavior and hippocampal cell proliferation"</p> <p>BIOLOGICAL PSYCHIATRY, ELSEVIER SCIENCE, NEW YORK, NY, US, vol. 56, no. 9, 1 November 2004 (2004-11-01), pages 657-664, XP004619798</p> <p>ISSN: 0006-3223</p> <p>page 659, column 2, paragraph 2 - paragraph 3</p> <p>page 661 - 663, chapter "Discussion"</p> <p>-----</p> <p>-/--</p>	1-23



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

13 May 2005

Date of mailing of the international search report

08/06/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/17803 A (CARY MEDICAL CORPORATION; CARY, DOUGLAS, D) 15 April 1999 (1999-04-15)	9-12,14, 15, 17-21,24
Y	page 6, line 6 - line 17 page 7, line 1 - line 4 page 9, line 9 - line 23 page 12, line 3 - line 15 page 13, line 3 - line 19 page 14, line 8 - page 15, line 26 Examples -----	8,13,16, 22,23
X	WO 99/07356 A (UNIVERSITY OF SOUTH FLORIDA RESEARCH FOUNDATION, INC; SANBERG, PAUL, R) 18 February 1999 (1999-02-18)	1-7
Y	page 18, line 15 - line 21 -----	8-24
X	POPIK PIOTR ET AL: "Nicotine and nicotinic receptor antagonists potentiate the antidepressant-like effects of imipramine and citalopram." BRITISH JOURNAL OF PHARMACOLOGY, vol. 139, no. 6, July 2003 (2003-07), pages 1196-1202, XP002328177 ISSN: 0007-1188	1-7
Y	page 1199, column 1, paragraph 2 - paragraph 3 page 1200, chapter "Discussion" -----	8-24

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-8
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-8 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9917803	A	15-04-1999	AT 232384 T	15-02-2003
			AU 750808 B2	25-07-2002
			AU 9601198 A	27-04-1999
			BR 9812615 A	01-08-2000
			CA 2305799 A1	15-04-1999
			CN 1280505 A ,C	17-01-2001
			DE 69811378 D1	20-03-2003
			DE 69811378 T2	12-02-2004
			EP 1019088 A1	19-07-2000
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			US 2004044005 A1	04-03-2004
			US 6197827 B1	06-03-2001
			US 2001014678 A1	16-08-2001
WO 9907356	A	18-02-1999	AU 2118499 A	01-03-1999
			AU 8778498 A	01-03-1999
			CA 2300148 A1	18-02-1999
			EP 1011678 A1	28-06-2000
			JP 2003524573 T	19-08-2003
			WO 9907356 A1	18-02-1999
			WO 9907378 A1	18-02-1999
			US 6034079 A	07-03-2000
			ZA 9807182 A	15-06-1999